

**BARRY GLASSMAN**  
HARFORD COUNTY EXECUTIVE

**BILLY BONIFACE**  
DIRECTOR OF ADMINISTRATION



**KAREN D. MYERS**  
DIRECTOR OF PROCUREMENT

**DEPARTMENT OF PROCUREMENT  
BID NO. 16-238**

**Foster Branch Stream Restoration Project at Dembytown Road  
ADDENDUM NO. 2**

August 15, 2016

Ladies and Gentlemen:

The purpose of this addendum is to provide clarification(s) to all prospective proposers.

**PLEASE REPLACE THE PRIOR REVISED BID FORM WITH REVISED BID FORM DATED 8/15/16. ALSO, ATTACHED IS ITEM 901 – CONTINGENT BANK RUN GRAVEL.**

**Question No. 1:** The specification for rock in several lines of the bid calls for Brown or Tan color. In our experience, brown and tan color stone is generally unavailable and very expensive. Would we be able to use a grey, not white, stone in place?

**Answer No. 1:** Gray stone is acceptable.

**Question No. 2:** Tree protection: There are multiple trees that are outside our LOD that are calling for tree protection. Is this really necessary if we are already putting up orange safety fence along the entire LOD?

**Answer No. 2:** Protection for any trees shown outside the LOD will be field verified by the Engineer. Specimen trees may warrant TPF even if outside of LOD.

**Question No. 3:** Limited stockpile area: Has there been any discussion regarding using an off-site auxiliary stock pile? (ex: the park parking lot adjacent / near the project?)

**Answer No. 3:** No additional stockpile area is available. Non-erodible materials may be stockpiled at various points along the access road if needed.

**Question No. 4:** The bid documents state that all rip rap and imbricated stone be brown or tan in color. Can grey granite stone be used?

**Answer No. 4:** Gray stone is acceptable.

**Question No. 5:** Line item 300 18" RCP: Can a more descriptive detail for the pipe work be supplied? Can we assume that at either ends of the pipe there will be a standard concrete end section? The bid document references concrete end walls. Will an end wall need to be installed?

**Answer No. 5:** A standard concrete end section is acceptable.

*Maryland's New Center Of Opportunity*

410.638.3550 | 410.879.2000 | TTY Maryland Relay 711 | [www.harfordcountymd.gov](http://www.harfordcountymd.gov)

220 South Main Street, Bel Air, Maryland 21014

THIS DOCUMENT IS AVAILABLE IN ALTERNATIVE FORMAT UPON REQUEST

<b><u>Question No. 6:</u></b>	Log Sills: Bid documents and section view detail say to place stone mix a width of 2 feet on either side of the log, but the planview detail says to place stone mix 4' on either side. Which width should we be using?
<b><u>Answer No. 6:</u></b>	2 feet of stone on either side of the log is acceptable.
<b><u>Question No. 7:</u></b>	Natural Channel Material: Is there any thought of adding a contingent item if there is not enough natural material available to wash in all of the structures and riffles?
<b><u>Answer No. 7:</u></b>	A contingent item of Bankrun Gravel has been added.
<b><u>Question No. 8:</u></b>	Soil Lifts: Is there a discrepancy between the bid document quantity of 585 SY and what the 580 SY that the table states on the plans?
<b><u>Answer No. 8:</u></b>	Please see answer to number 9.
<b><u>Question No. 9:</u></b>	Soil Lifts: SL 1A-5: soil lift 01 has a quantity of 377 SY, could this be a possible typo?
<b><u>Answer No. 9:</u></b>	The Soil Lift Structure Table on Plan Sheet 3 is revised as follows: SL 1A-S, Soil Lift 01 is 40 SY. Total quantity for Soil Lift is 243 SY. A revised Bid Form is provided.
<b><u>Question No. 10:</u></b>	Clearing and Grubbing: Bid documents state that all woody debris must stay on site. What if there is more woody material than what is needed to build all necessary structures, can it be chipped and left on site or will it need to be hauled off?
<b><u>Answer No. 10:</u></b>	Excess woody material does not need to be hauled offsite. Small items may be chipped for mulch or placed under large woody debris, larger woody material may be placed in floodplain for roughness.
<b><u>Question No. 11:</u></b>	Item 102 Construction Stake out: Bid documents state that "Upon completion of grading, the contractor will provide a staked baseline or work line." Please clarify the intent on this.
<b><u>Answer No. 11:</u></b>	The intent of these stakes is for the production of red-line drawings.
<b><u>Question No. 12:</u></b>	Microtopography: The sequence of construction on sheet 15 of 35 states to complete the microtopography grading before any instream work is completed. Can this be adjusted so that the micrograding is completed concurrently or after instream work is completed? This will limit the disturbance.
<b><u>Answer No. 12:</u></b>	Constructing the microtopography concurrently is acceptable provided the stream reconnections have not been made upstream of where the microtopography grading is occurring. The purpose is to grade the microtopography before introducing flows to the floodplain so they are not working in wet conditions on floodplain and so roughness is in place before flows are introduced.
<b><u>Question No. 13:</u></b>	Item 308 Clay Channel Block: The bid documents state the only materials needed are clay, natural channel material, and class 1 rip rap, however, the clay block detail shows the top being capped with class 1 and the sides being capped with class 0. Is this included with another line item or should this be included with Item 308?
<b><u>Answer No. 13:</u></b>	Class 0 rock, as shown on the detail, shall be incidental to Item 308 Clay Channel Block.

**Question No. 14:**

Planting: Planting zone 2 shows to plant in the riffle bank transition mix which consists of class 1 and class 0 rip rap. This is then to be planted with herbaceous plants, trees and shrubs. What is the survival guarantee for this zone?

**Answer No. 14:**

Item 702 Planting Trees, Item 703 Planting Shrubs, and Item 703, Planting Herbaceous: The percent survival for Zone 2 only shall be 50% at the end of the one year maintenance period.

**Question No. 15:**

Item 315 Temporary Access Road Type A: Is any minor grading of current topography allowed before placement of mulch road?

**Answer No. 15:**

Yes.

**Question No. 16:**

Clay Block, Toewood: At approximately station 14 + 50 and 15 + 05 the plans show toewood coinciding with the clay channel blocks. Is the toewood to be installed with the clay blocks or is there another intent for this area?

**Answer No. 16:**

Toewood will abut the clay channel block on the upstream and downstream end but will not be within the placed clay channel block.

Sincerely,

A handwritten signature in black ink, appearing to read 'Aaron Hall', with a stylized, cursive script.

Aaron Hall

SUBMIT ORIGINAL AND ONE DUPLICATE SET OF BID FORMS

REVISED BID FORM DATED 8/15/16

FOSTER BRANCH AT DEMBYTOWN ROAD STREAM RESTORATION  
BID NO. 16-238

TO: Director of Procurement  
Harford County, Maryland  
220 South Main Street  
Bel Air, Maryland 21014

FROM: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Pursuant to your request inviting Bids for Foster Branch at Dembytown Road Stream Restoration, the undersigned  
Hereby submits the following Bid:

ITEM NO.	DESCRIPTION OF ITEM	UNIT	APPROXIMATE QUANTITY	UNIT PRICE DOLLARS & CENTS	TOTAL PRICE DOLLARS & CENTS
101	Mobilization	LS	Lump Sum		
102	Construction Stakeout	LS	Lump Sum		
103	Clearing and Grubbing	LS	Lump Sum		
104	Maintenance of Traffic	LS	Lump Sum		
105	Orange Safety Fence	LF	5554		
106	Contingent Hot Mix Asphalt	TON	5		
201	Channel or Stream Change Excavation (Class 5)	CY	562		
300	18" RCP Pipe	LF	30		
301	Log Sill	LF	685		

ITEM NO.	DESCRIPTION OF ITEM	UNIT	APPROXIMATE QUANTITY	UNIT PRICE DOLLARS & CENTS	TOTAL PRICE DOLLARS & CENTS
302	Riffle-Bank Transition Mix	CY	252		
303	Rock Silt Mix	CY	166		
304	Channel Bed Material Class 0 Fill	CY	670		
305	Channel Bed Material Clean Sand Fill	CY	491		
306A	Riffle Grade Control Mix	CY	453		
306B	Contingent Riffle Grade Control Mix	CY	50		
307	Toe Wood	LF	623		
308	Clay Channel Block	EA	2		
309	Preformed Scour Pool Rock Mix	CY	121		
310A	Rehabilitate Existing Super Silt Fence	LF	0		
310B	Super Silt Fence	LF	1497		
310C	Contingent Super Silt Fence	LF	500		
311	Temporary Access Bridge	EA	1		

ITEM NO.	DESCRIPTION OF ITEM	UNIT	APPROXIMATE QUANTITY	UNIT PRICE DOLLARS & CENTS	TOTAL PRICE DOLLARS & CENTS
312A	Stabilized Construction Entrance Stone	TON	120		
312B	Contingent Stabilized Construction Entrance Stone	TON	30		
313	Stabilization Seed	SY	15149		
314	Shredded Hardwood Bark Mulch 3 inch Depth for Sme-Day Stabilization	SY	9000		
315	Temporary Mulch Access Road Type A	LF	1147		
316	Temporary Mulch Access Road Type B	LF	943		
317	Maintenance of Stream Flow	LS	Lump Sum		
318	Stone Sill	EA	1		
701	Soil Mix for Constructed Wetland	CY	45		
702	Planting Trees	EA	517		
703	Planting Shrubs	EA	606		
704	Planting Herbaceous	EA	1131		
705	Wetland and Floodplain Seeding	LB	110		

ITEM NO.	DESCRIPTION OF ITEM	UNIT	APPROXIMATE QUANTITY	UNIT PRICE DOLLARS & CENTS	TOTAL PRICE DOLLARS & CENTS
706A	Temp Seed and Straw Mulch	SY	5000		
706B	Contingent Seed and Straw Mulch	SY	3000		
707	Creation of Microtopography	SY	5215		
708	Type D Stabilization Matting	SY	800		
709	Soil Lift	SY	243		
710	Red-Line Drawings	LS	Lump Sum		
901	Contingent Bank Run Gravel	TON	50		

TOTAL BID SUBMITTED FOR BID NO. 16-238

\$

WRITTEN IN WORDS

\*IF NO CENTS, WRITE NO CENTS

### **ITEM 901- CONTINGENT BANK RUN GRAVEL**

This work shall consist of furnishing and placing Bank Run Gravel as needed if there is insufficient natural channel material necessary for construction of structures as specified in the Contract Documents or as directed by the Project Manager.

#### **MATERIALS**

Natural channel material shall be salvaged from the limits of disturbance of this Contract first. If sufficient natural channel material is not available from within the limits if disturbance, the Contractor shall obtain material meeting specifications outlined below.

<b>Material</b>	<b>Gradation</b>
Bank Run Gravel	0.02in to 5.0in; D50=2.5in

Bank Run Gravel shall be angular in shape and brown or gray in color, with no white rock.

The Contractor shall provide samples of the Bank Run Gravel to the Project Manager for approval. Only approved material shall be placed at the site.

#### **MEASUREMENT AND PAYMENT**

Bank Run Gravel will be measured and paid for at the Contract unit price per ton placed. Salvaging and storing excavated streambed material onsite shall be incidental to Item 201 Stream Channel Excavation. Payment will be full compensation for all material, labor, equipment, tools, and incidentals necessary to complete the work.